This is a troubleshooting guide for those who encounter problems to get OSM4Primer2 running:

To check the hardware and software lets first check the demomode, which ignores the hardware.

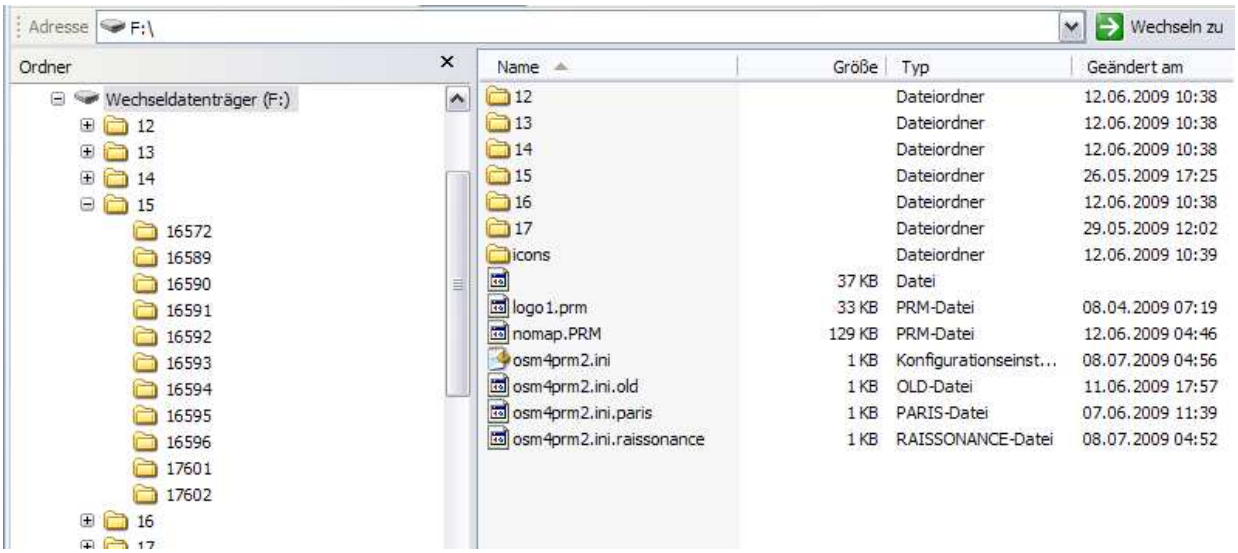
In demo-mode OSM4Primer2 shows a geografic position given in the ini-file on a map.

Please follow these steps:

- On the micro sdcard there should be several ini-files. One original ini-file named osm4prm2.ini (please check the spelling. Maybe its named osm4primer.ini , which is wrong).
  There are also ini-files like osm4prm2.ini.raissonance. This are prepared ini-files that you can rename to osm4prm2.ini

- Rename osm4prm2.ini.raissonance to osm4prm2.ini The content should look like this:

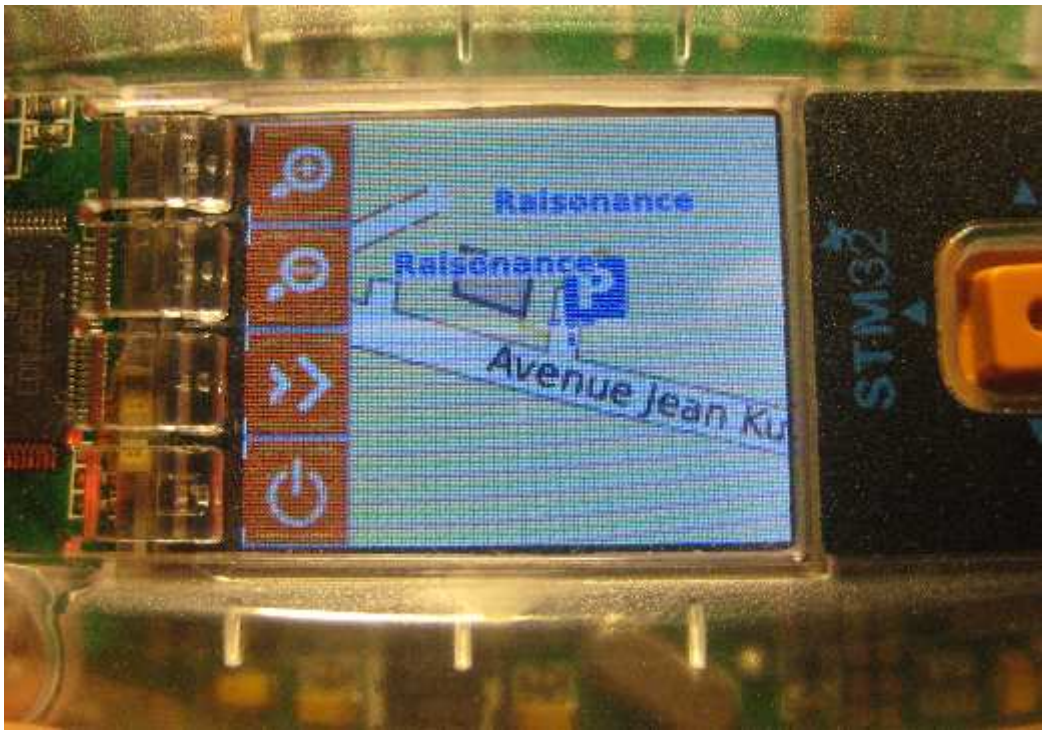
- Check the content of your micro sdcard. Does it look like this (or similar)?



You should have copied the content of **map data.zip** to your micro sdcard!

Please keep the directory structure like this example.

- If you start OSM4Primer2 it shows the startscreen and the statusline(at the bottom of the screen) says „Demo mode“
- When the startscreen disappears you should see the demo map like this:

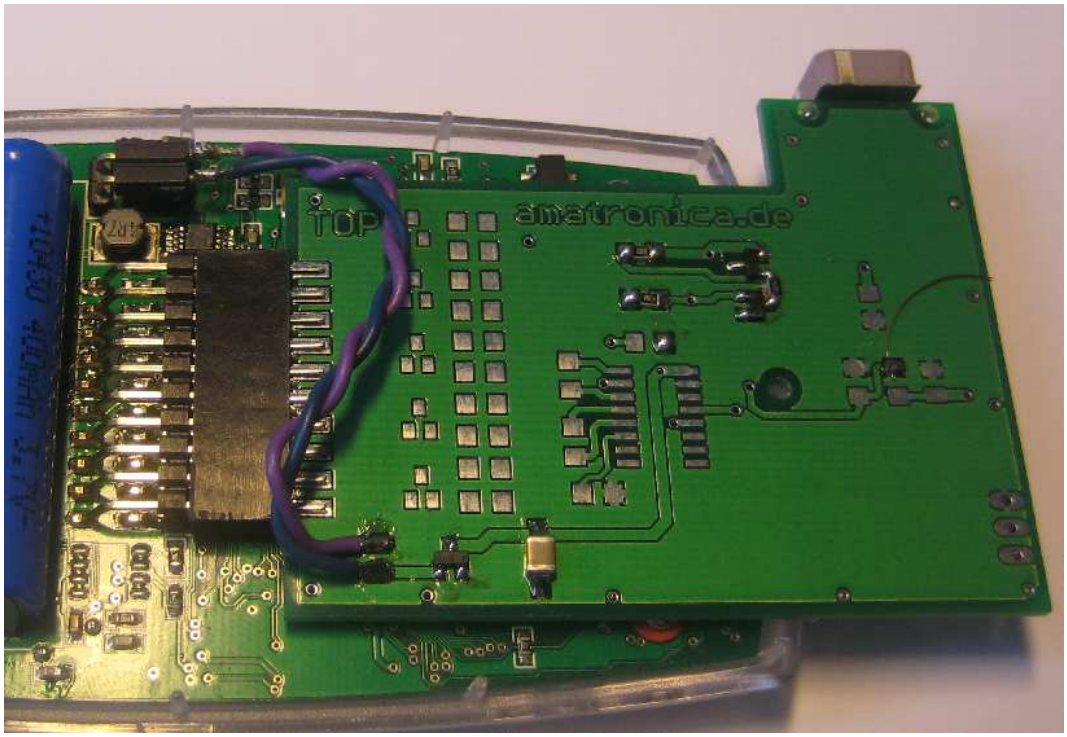


- The red led above the red batteryled should flicker in a one second intervall.

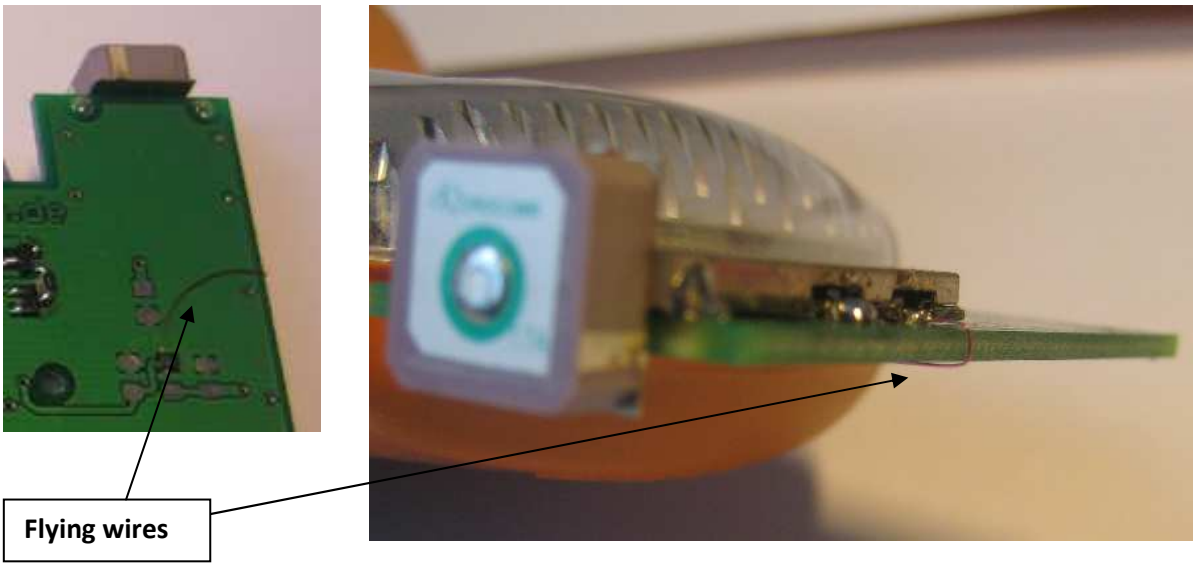
Does this work so far? If yes the software is working on your primer2 correctly.

Now for the hardware part:

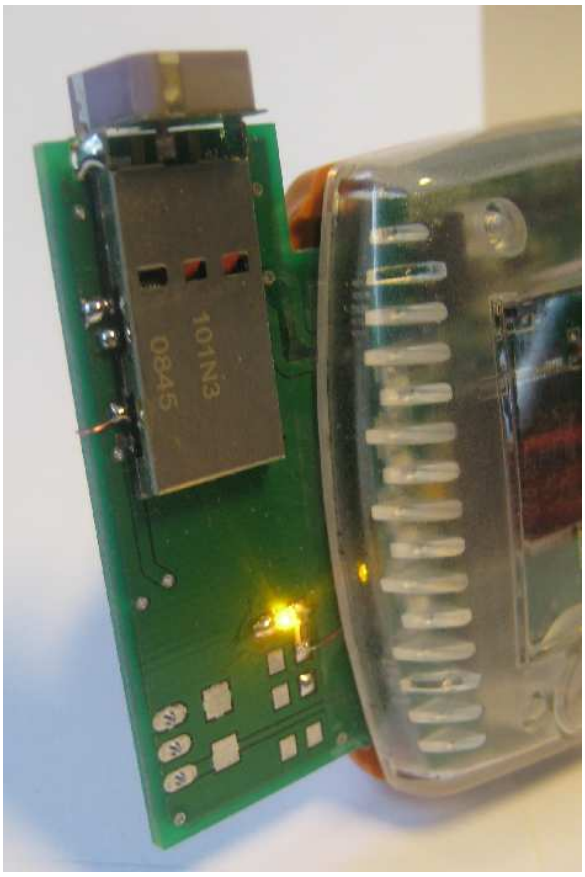
- Please plug in the extensionboard. It should look like this:



- As this hardware is the prototype there are some flying wires. Please check them. Is one of them ripped of?



- Please start OSM4Primer2 application. The gps-receiver will be enabled. This is indicated by a yellow led which is lite up steadily. It should look like this:

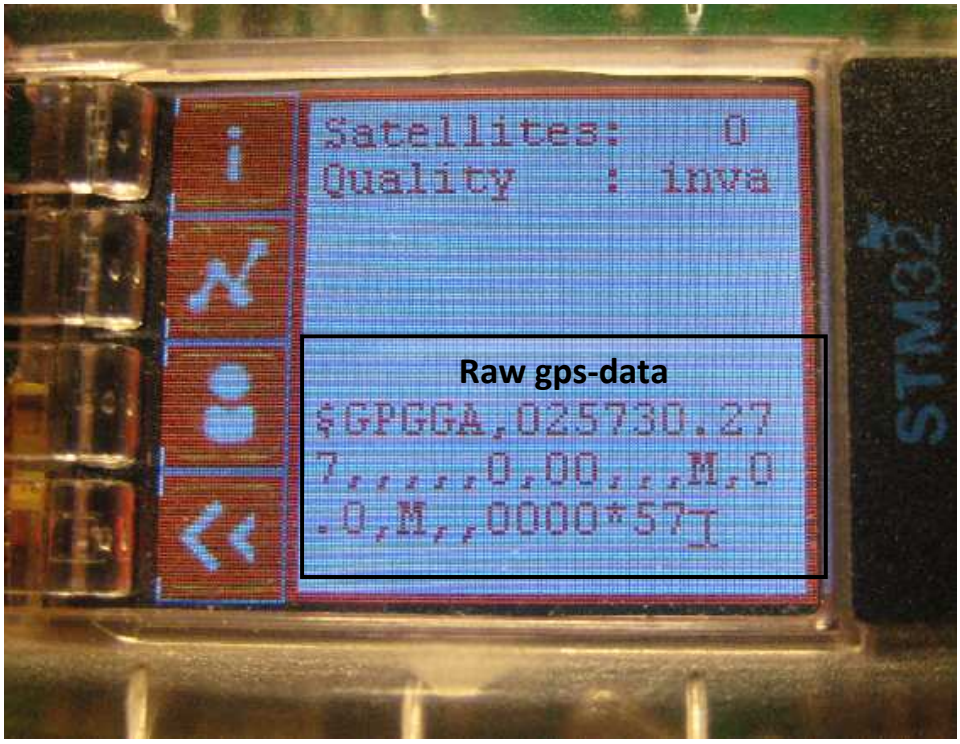


Does the yellow led lite up?

- On startup of the application you should see the startscreen and in the statusline you should see the message **Initializing.** After some seconds the statusline should say **GPS-Data ok.**
  Do all this messages appear?

- After the startscreen has disappeared you should see a map (if the corrosponding mapdata is provided) or you should see a picture with the message **No map data**

- You can see raw gpsdata coming in from the gps receiver if you go to the infowindow.(If OSM4Primer2 is in debugmode) It should look like this:



This is an example of gps data taken inside the house. There are no satelites seen by the receiver. The raw data should like different from the example if you are outside the house. But the raw data should always start with the delimiter $GPGGA.

Be aware that if you have started the application it can take up to 90 seconds before the gps receiver delivers valid data.